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Waterfront Maintenance Note Number 5

Passive Countermeasures (PCMS) Readiness Improvement Program (RIP), and Maintenance, Repair and Replacement Procedures

Ref: (a) CFFCINST 4790.3, Joint Fleet Maintenance Manual
(b) NAVSEA LTR 05T1-009, PCMS Waterfront Support Requirements For Regional Maintenance Centers
(c) NAVSEA RIM 05T1-99, PCMS Repair and Installation Methods
(d) MIP 4722-007, PCMS 3-M Maintenance Index Page
(e) COMFLTFORCOM Norfolk VA 291201ZAPR2005, RMG, PCMS Maintenance in NEMAIS
(f) NAVSEA IMA RP-1 Dec 2002, IMA Repair Procedures PCMS, PCMS Tiles and PCMS Type 6/15 Blankets and Tarps

1. Purpose: Establish procedures to schedule and conduct a Passive Countermeasures System (PCMS) Radar Cross-section Improvement Program (RIP), and procedures for the maintenance, repair and replacement of PCMS, PCMS tiles and blankets.

2. Background: To support the Fleet PCMS program, Southeast Regional Maintenance Center (SERMC) is capable of conducting the following PCMS core activities:

- a. PCMS Readiness Improvement Program (RIP), which includes training for Officers, Senior Enlisted personnel, Supervisors, and Maintainers responsible for PCMS.
- b. Installation and removal of Motion Measurement System.
- c. Combat Systems, Command, Control, Communications and Computer Readiness Assessment (C5RA).
- d. PCMS Technical assistance.
- e. Apply PCMS material on ship to shop items.
- f. Repair or replacement of PCMS material removed or damaged by SERMC personnel.
- g. Repair PCMS Type 6/15 Blankets and Tarps.

3. Procedure: IAW refs (a-c), ships normally schedule RIPS close to radar cross-section testing or a C5RA. PCMS RIPS should also be conducted after a ship has completed a topside

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configuration change or major availability. PCMS RIPs are scheduled by the ships and coordinated through the appropriate Immediate Superiors in Command (ISIC) and Maintenance Team. The weeklong event provides on-board training to the entire ship's PCMS team, focused on maintenance and inspection training for both the supervisor and maintenance person. The supervisor curriculum includes an effectiveness module, which is classified SECRET. IAW with ref (d), this effort includes a full visual assessment of the ship using the Q-1/S-1R MRC. This is the primary method of delivering training and PCMS certification for ship's force personnel. A subset of this is the stand-alone PCMS Maintainers course, which can be provided by SERMC when periodicity is inappropriate for a RIP and PCMS supervisor training is not required. All routine maintenance of PCMS tiles and blankets are to be conducted by qualified S/F personnel IAW ref (d). SERMC will accomplish PCMS repairs on a ship to shop basis for repairs beyond S/F capability.

a. Ships Force (S/F) shall:

- 1) Coordinate RIPs through their ISIC and respective Maintenance Team (Port Engineer and Ship Superintendent), submitting a 4790/2K with primary and alternate dates.

EXAMPLE

Radar Cross-section Readiness Improvement Program
required XXX Conduct RIP on PRI: dates (one week),
ALT: dates (one week).

- 2) Verify the U.S. Citizenship of all personnel involved in PCMS installation and maintenance, including inspection/assessment, surface preparation, material application, final painting or quality assurance, IAW with ref (c).
- 3) Provide all necessary PCMS materials for the course of instruction.
- 4) Schedule and complete PCMS personnel certification every two years IAW ref (c). Qualifications for PCMS certification are successful completion of RMC-sponsored PCMS Supervisor or Maintenance courses and on-the-job training witnessed by a certified PCMS instructor.

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- 5) Ensure 100 percent participation of assigned S/F personnel for both Supervisor and Maintenance courses.
- 6) Submit 4790/2K for PCMS repairs beyond S/F capability IAW ref (e).
- 7) Submit 4790/2K for PCMS blanket repairs IAW ref (f).
(Note: SERMC can only repair PCMS blankets, not manufacture replacement blankets).
- 8) Remove and deliver equipment in need of PCMS repair to shop 937E (Corrosion Control). Screens requiring type 7 PCMS will be delivered to shop 934A (Sheet Metal).

b. SERMC shall:

- 1) Assist with the coordination of certification, recertification, or training as required.
- 2) Accomplish PCMS repairs on a ship-to-shop basis IAW ref (f). (Note: PCMS blankets can be repaired but not manufactured by SERMC).
- 3) Replace shipboard PCMS that is damaged or removed by SERMC workers due to welding or equipment removal.
No 2-kilo is required.
- 4) Provide tailored ship's EGLs.
- 5) Install and remove Motion Measurement System for radar cross-section testing.

4. Points of Contact:

- a. For further guidance and information on PCMS RIP, Training, Certification, Assessment or Tech Assist, contact SERMC Code 956B at 904-270-5126 Ext. 3291/3292.
- b. For further guidance and information on PCMS Maintenance, Repair or Replacement, contact SERMC Code 937 at 904-270-5126 Ext. 3161/3129.